

Rugged, Waterproof pH Meter to Measure pH and °C with One Probe



The HI 9210N heavy-duty pH meter is designed to provide laboratory results and accuracy under the harshest of industrial conditions.

HI 9210N is supplied with a rugged pH electrode which, in addition to the pH reference system and sensitive bulb, incorporates a temperature sensor and a miniaturized amplifier. You need to use only one probe for both measurements! The electrode signal is also pre-amplified and strengthened to give you better protection against noise and electromagnetic interference, a common phenomenon in industrial applications.

Calibration is manual and the trimmers are placed behind a protective cover. This assures that the unit can be calibrated at any pH buffer value. The protective cover also keeps the meter watertight and prevents the calibration from being tampered with.

Even though the HI 9210N's battery life is an incredible 2000 hours, a low-voltage indicator appears on the screen to alert the user that there is only 20 hours of battery life left. Afterwards, the BEPS (Battery Error Prevention System) will stop any false readings by shutting the meter off.



Specifications

		HI 9210N
Range	pH	0.00 to 14.00 pH
	Temperature	0.0 to 70.0°C
Resolution	pH	0.01 pH
	Temperature	0.1°C
Accuracy (at 20°C)	pH	±0.02 pH
	Temperature	±0.5°C
pH Calibration		manual, 2 point, through offset and slope trimmers
Offset Calibration		±1 pH
Slope Calibration		85 to 105%
Temperature Compensation		automatic, 0 to 70°C (32 to 158°F)
pH Electrode		HI 1217D, with built-in temperature sensor and amplifier, gel filled, DIN connector and 1 m (3.3') cable (included)
Input Impedance		10 ¹² Ohm
Battery Type / Life		4 x 1.5V AA / approx. 2000 hours of continuous use
Environment		0 to 50°C (32 to 122°F); RH max 100%
Dimensions / Weight		196 x 80 x 60 mm (7.7 x 3.1 x 2.4") / 500 g (1.1 lb.)

Accessories

HI 1217D	pH electrode with temperature sensor and DIN connector	HI 7010L	pH 10.01 buffer solution, 500 mL bottle
HI 721317	Rugged carrying case	HI 77400P	pH 4 and pH 7 buffer sachets, 20 mL, 5 pcs. each
HI 76405	Electrode holder	HI 70300L	Electrode storage solution, 500 mL bottle
HI 7004L	pH 4.01 buffer solution, 500 mL bottle	HI 7061L	Electrode cleaning solution, 500 mL bottle
HI 7007L	pH 7.01 buffer solution, 500 mL bottle		

For a complete range of calibration, cleaning and maintenance solutions, see section F. For pH and ORP electrodes, see section E. For accessories, see section U.